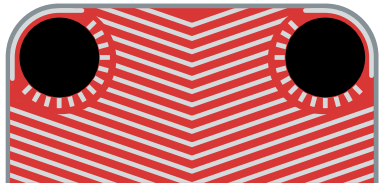
Kelvion

- Extensive selection of sizes for small to large performance ranges
- Use of high-quality materials for the highest quality standards
- Combines flexibility with automated manufacturing processes

www.kelvion.com

Brazed Plate Heat Exchangers
GBS SERIES

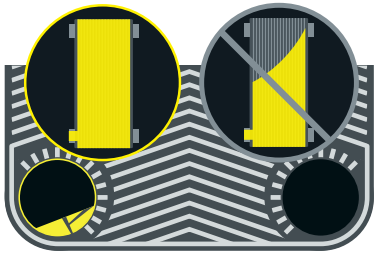
FEATURES



FULL FLOW™

Ensures continuous flow around the port area to prevent freezing.

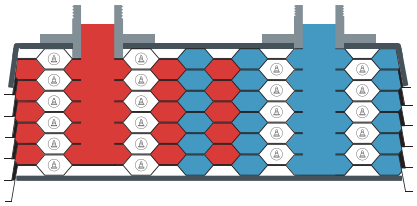
100 | 200 | 220 | 240 | 300 | 400 | 500



DELTA INJECTION™

Refrigerant distribution system particularly developed for evaporator applications. Precise metering of refrigerant to the channels, guaranteeing the highest performance.

400 | 500 | 700M | 800 | 900 | 1000H



SAFETY CHAMBER™

Absorbs the stress from thermal shock and pressure in the port area and prevents internal leaks and premature failure.

600L | 700 | 757 | 800 | 900 | 1000

MARKETS

- Data Centre
- HVAC
- Refrigeration
- Power
- Heavy & Light Industry

KELVION SELECT PHE

Selecting the right Plate Heat Exchanger.
ANYTIME. ANYWHERE.

DESIGN PARAMETER

DESIGN PRESSURE

31 bar
580 psi

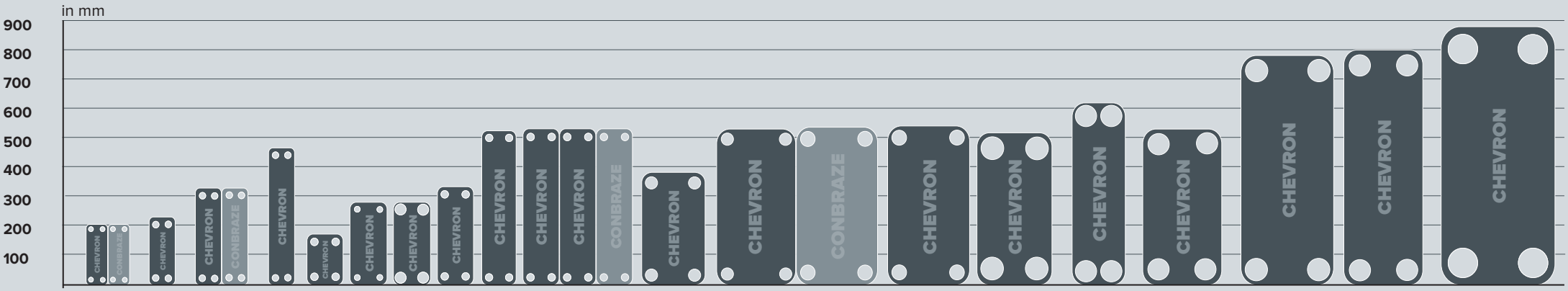
DESIGN TEMPERATURE

-196 °C
-321°F

200 °C
+392°F

SPECIFICATIONS

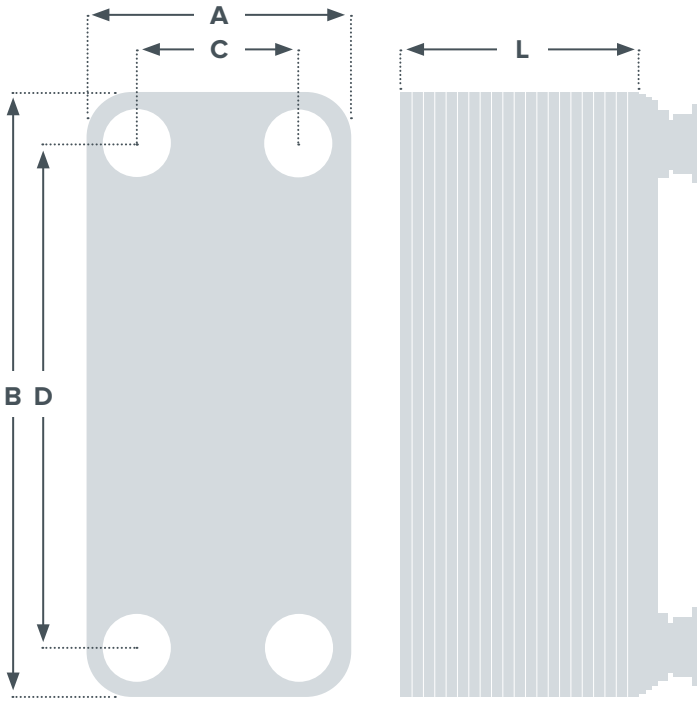
PRESSURE	PLATE TYPE	BRAZING MATERIAL	APPROVAL
	Chevron	Copper	ASME
	ConBraze	Nickel	EN 13445
		Vacinox	Factory Standard



GB...	100	108	200	220	228	240	300	418	420	400	525	500	505	550	600	700	770	757	760	790	800	910	900	1000
Conn.*	G ¾	G ¾	G1	G1	G1	G1	G1 ¼	G1	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G2 ½	G2 ½	G3	G2 ½	G3	G2 ½	G3	G2 ½	G3	G3

* Maximum Connection

Type	Pressure	Dimensions				L-Dimension	Weight*	Volume	Max. number of plates
	bar	A [mm]	B [mm]	C [mm]	D [mm]	L [mm]	[kg]	(Litre/ Channel)	
GBS 100M	31	74	204	40	170	8,00+2,23xN	0,65+0,050xN	0,025	50
GBS 200H	31	90	231	43	182	10,00+2,24xN	0,85+0,060xN	0,030	50
GBS 220H	31	90	328	43	279	10,00+2,25xN	1,10+0,090xN	0,046	50
GBS 240H	31	90	464	43	415	10,00+2,24xN	1,50+0,130xN	0,070	50
GBS 300H	31	124	173	73	120	12,20+2,24xN	0,95+0,060xN	0,030	50
GBS 400H	31	124	335	73	281	12,30+2,25xN	1,60+0,120xN	0,065	100
GBS 418L/M	40	127	282	84	239	9,00+2,05xN	1,40+0,118xN	0,055	50
GBS 420L	31	127	282	68	223	9,00+2,64xN	1,55+0,112xN	0,076	150
GBS 500H	31	124	532	73	478	10,00+2,23xN	2,25+0,200xN	0,100	100
GBS 525L/M/H	36/34	118	525	69	476	9,00+2,59xN**	2,40+0,200xN	0,125	100
GBS 600L	31	250	386	162	307	13,40+2,27xN	7,80+0,295xN	0,158	150
GBS 700L/M	31	271	532	200	460	10,90+2,29xN	7,05+0,470xN	0,230	150
GBS 757L/M/H	35	281	543	198	460	12,5+2,60xN**	13,15+0,500xN	0,310	160
GBS 760L	27/20	257	519	138	416	13,50+3,45xN	10,45+0,400xN	0,410	150
GBS 790H	31	191	616	95	520	13,30+1,78xN	10,55+0,4xN	0,138	300
GBS 800H	31	271	532	161	421	13,60+2,34xN	10,70+0,500xN	0,221	260
GBS 900H	31	271	802	161	690	11,30+2,31xN	13,60+0,800xN	0,399	260
GBS 910M	36/32	318	783	225	690	15,00+2,56xN	19,50+0,870xN	0,480	200
GBS 1000M/H	35	386	875	237	723	12,5+2,60xN **	29,20+1,150xN	0,600	360
GBS 1000L	31/20	386	875	237	723	23,10+2,33xN	39,10+1,150xN	0,466/0,733	360
GBS 1000MH	35	386	875	237	723	20.8+2.34xN	29.20+1.150xN	0,550/0,600	360
Also available as an advanced evaporator with a special “Delta Injection™“ distribution system for the refrigerant inlet,									
GBS 400H-AE	31	124	335	73	281	12,30+2,25xN	1,60+0,120xN	0,065	100
GBS 500H-AE	31	124	532	73	478	10,00+2,23xN	2,25+0,200xN	0,100	100
GBS 700M-AE	31	271	532	200	460	10,90+2,29xN	7,05+0,470xN	0,230	150
GBS 800H-AE	31	271	532	161	421	13,60+2,34xN	10,70+0,500xN	0,221	260
GBS 900H-AE	31	271	802	161	690	11,30+2,31xN	13,60+0,800xN	0,399	260
GBS 1000H-AE	35	386	875	237	723	20,80+2,35xN	29,20+1,150xN	0,600	360



*N = number of plates | ** L-Dimension depending on corrugation type